UNITED STATES DEPARTMENT OF COMMERCE United States Patent and Trademark Office Address: COMMISSIONER FOR PATENTS P.O. Box 1450 Alexandria, Virginia 22313-1450 www.uspto.gov

NOTICE OF ALLOWANCE AND FEE(S) DUE

23623

7590

11/07/2007

AMIN, TUROCY & CALVIN, LLP 1900 EAST 9TH STREET, NATIONAL CITY CENTER 24TH FLOOR, CLEVELAND, OH 44114

EXAMINER NGUYEN, DANG T ART UNIT PAPER NUMBER 2824

DATE MAILED: 11/07/2007

| APPLICATION NO. | FILING DATE | FIRST NAMED INVENTOR | ATTORNEY DOCKET NO. | CONFIRMATION NO. |
|-----------------|-------------|----------------------|---------------------|------------------|
| 10/600.065 | 06/20/2003 | Ming-Huei Shieh | AF01169/AMDP975US | 5651 |

TITLE OF INVENTION: MEMORY WITH A CORE-BASED VIRTUAL GROUND AND DYNAMIC REFERENCE SENSING SCHEME

| APPLN. TYPE | SMALL ENTITY | ISSUE FEE DUE | PUBLICATION FEE DUE | PREV. PAID ISSUE FEE | TOTAL FEE(S) DUE | DATE DUE |
|----------------|--------------|---------------|---------------------|----------------------|------------------|------------|
| nonprovisional | NO | \$1440 | \$300 | \$0 | \$1740 | 02/07/2008 |

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. PROSECUTION ON THE MERITS IS CLOSED. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE DOES NOT REFLECT A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE IN THIS APPLICATION. IF AN ISSUE FEE HAS PREVIOUSLY BEEN PAID IN THIS APPLICATION (AS SHOWN ABOVE), THE RETURN OF PART B OF THIS FORM WILL BE CONSIDERED A REQUEST TO REAPPLY THE PREVIOUSLY PAID ISSUE FEE TOWARD THE ISSUE FEE NOW DUE.

HOW TO REPLY TO THIS NOTICE:

I. Review the SMALL ENTITY status shown above.

If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

- A. If the status is the same, pay the TOTAL FEE(S) DUE shown above.
- B. If the status above is to be removed, check box 5b on Part B -Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and twice the amount of the ISSUE FEE shown above, or

If the SMALL ENTITY is shown as NO:

- A. Pay TOTAL FEE(S) DUE shown above, or
- B. If applicant claimed SMALL ENTITY status before, or is now claiming SMALL ENTITY status, check box 5a on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and 1/2 the ISSUE FEE shown above.
- II. PART B FEE(S) TRANSMITTAL, or its equivalent, must be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). If you are charging the fee(s) to your deposit account, section "4b" of Part B - Fee(s) Transmittal should be completed and an extra copy of the form should be submitted. If an equivalent of Part B is filed, a request to reapply a previously paid issue fee must be clearly made, and delays in processing may occur due to the difficulty in recognizing the paper as an equivalent of Part B.
- III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

PART B - FEE(S) TRANSMITTAL

Complete and send this form, together with applicable fee(s), to: Mail Mail Stop ISSUE FEE

Commissioner for Patents P.O. Box 1450 Alexandria, Virginia 22313-1450 or Fax (571)-273-2885

INSTRUCTIONS: This form should be used for transmitting the ISSUE FEE and PUBLICATION FEE (if required). Blocks I through 5 should be completed where

| appropriate. All further of ndicated unless corrected unless corrected anintenance fee notifications. | d below or directed oth | ig the Patent, a serwise in Bloo | advance of ak I, by (a | rders and notification of a) specifying a new co | of m rresp | aintenance fees wondence address; | and/or | (b) indicating a separ | correspondence address as rate "FEE ADDRESS" for |
|---|---|-------------------------------------|--|--|--------------------------|---|--|--|---|
| | NCE ADDRESS (Note: Use Bl | ock 1 for any chang | e of address) | I | Fee(s |) Transmittal. Thi | s certifi | cate cannot be used for | domestic mailings of the or any other accompanying at or formal drawing, must |
| 23623 | 7590 11/07 | /2007 | | | | Car | tificato | of Mailing or Transc | niccion |
| , | CY & CALVIN, I STREET, NATIO | | CENTE | R | l here State addre | eby certify that the s Postal Service w ssed to the Mail mitted to the USP | is Fee(s th suff Stop 1 ΓΟ (571 | Transmittal is being ficient postage for first ISSUE FEE address (1) 273-2885, on the date | deposited with the United t class mail in an envelope above, or being facsimile te indicated below. |
| CLEVELAND, O | OH 44114 | | | | | | | | (Depositor's name) |
| | | | | | | | | | (Signature) |
| | | | | { | | | | | (Date) |
| APPLICATION NO. | FILING DATE | | | FIRST NAMED INVENT | ГOR | | ATTO | RNEY DOCKET NO. | CONFIRMATION NO. |
| 10/600,065 | 06/20/2003 | | | Ming-Huei Shieh | | | AF01 | 169/AMDP975US | 5651 |
| TITLE OF INVENTION: | MEMORY WITH A C | ORE-BASED | VIRTUA | • | | IIC REFERENCE | SENSI | NG SCHEME | |
| | | | | | | | | | |
| | | | | | | | | | |
| APPLN. TYPE | SMALL ENTITY | ISSUE FEE | 3 DUE | PUBLICATION FEE D | UE | PREV. PAID ISSUI | E FEE | TOTAL FEE(S) DUE | DATE DUE |
| nonprovisional | NO | \$144 | 0 | \$300 | | \$0 | | \$1740 | 02/07/2008 |
| EXAMI | NER | ART UI | ۱IT | CLASS-SUBCLASS | | | | | |
| NGUYEN, | DANG T | 2824 | 4 | 365-185030 | | | | | |
| . Change of corresponde CFR 1.363). | nce address or indicatio | n of "Fee Addr | ess" (37 | 2. For printing on the | | | | 1 | |
| | ondence address (or Cha 8/122) attached. | inge of Corresp | ondence | (1) the names of up to 3 registered patent attorneys or agents OR, alternatively, | | | | | |
| _ | 3/122) attached. cation (or "Fee Address | | | (2) the name of a single firm (having as a member a registered attorney or agent) and the names of up to | | | | | |
| PTO/SB/47; Rev 03-0 Number is required. | 2 or more recent) attach | ned. Use of a C | ustomer | 2 registered patent attorneys or agents. If no name is listed, no name will be printed. | | | | | |
| | ND RESIDENCE DATA | | | | | | • | | |
| PLEASE NOTE: Unle | ess an assignee is ident | ified below, no | o assignee form is NC | data will appear on the | ne pa | tent. If an assign ssignment. | ee is id | lentified below, the do | ocument has been filed for |
| (A) NAME OF ASSIC | | | | (B) RESIDENCE: (C | | | | | |
| | | | | | | | | | |
| | | | | | | | | | . Па |
| Please check the appropri | ate assignee category or | categories (wi | ll not be p | rinted on the patent): | | Individual U Co | orporati | on or other private gro | up entity Government |
| ta. The following fee(s) a | are submitted: | | 4 | b. Payment of Fee(s): (| | se first reapply a | ny prev | iously paid issue fee | shown above) |
| Issue Fee | | | | A check is enclose | | L Farma BTO 2029 | · in atta | ahad | |
| ☐ Publication Fee (No small entity discount permitted) ☐ Advance Order - # of Copies | | | Payment by credit card. Form PTO-2038 is attached. The Director is hereby authorized to charge the required fee(s), any deficiency, or credit any | | | | | | |
| Advance Order - # | of Copies | | | overpayment, to D | epos | it Account Numb | er | (enclose a | n extra copy of this form). |
| | tus (from status indicate | | | | | 1 | | ritty status Cos 27 Ci | SD 1.37(~)(2) |
| | s SMALL ENTITY state | | | • • • | • | _ | | FITY status. See 37 Cl | e assignee or other party in |
| nterest as shown by the r | ecords of the United Sta | ates Patent and | Trademar | k Office. | 1411 11 | e applicant, a regi | istered a | attorney or agent, or the | |
| Authorized Signature | | | | | | Date | | | |
| Typed or printed name | | | | | | Registration N | No | | |
| This collection of inform | ation is required by 37 (| CFR 1.311. The | e informati | ion is required to obtain | or r | etain a benefit by | he publ | lic which is to file (and | by the USPTO to process) g gathering, preparing, and ne you require to complete |

submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, Virginia 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, Virginia 22313-1450.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE United States Patent and Trademark Office Address: COMMISSIONER FOR PATENTS P.O. Box 1450 Alexandria, Virginia 22313-1450 www.uspto.gov

| APPLICATION NO. | CATION NO. FILING DATE FIRST NAMED INVENTOR | | ATTORNEY DOCKET NO. | CONFIRMATION NO. | |
|-----------------------------|---|-----------------|---------------------------------|------------------|--|
| 10/600,065 | 06/20/2003 | Ming-Huei Shieh | AF01169/AMDP975US | 5651 | |
| 23623 | 7590 11/07/2007 | EXAMINER | | | |
| AMIN. TUROC | Y & CALVIN, LLP | NGUYEN, DANG T | | | |
| 1900 EAST 9TH | STREET, NATIONAL | ART UNIT | PAPER NUMBER | | |
| 24TH FLOOR, CLEVELAND, C | PH 44114 | | 2824 DATE MAILED: 11/07/2007 | | |

Determination of Patent Term Adjustment under 35 U.S.C. 154 (b)

(application filed on or after May 29, 2000)

The Patent Term Adjustment to date is 0 day(s). If the issue fee is paid on the date that is three months after the mailing date of this notice and the patent issues on the Tuesday before the date that is 28 weeks (six and a half months) after the mailing date of this notice, the Patent Term Adjustment will be 0 day(s).

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) WEB site (http://pair.uspto.gov).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571)-272-7702. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at 1-(888)-786-0101 or (571)-272-4200.